


MATERIAL DECLARATION SHEET



| | | | | |
|-----------------|--------------------|-----|-----|---|
| Material number | 3310C-L | | |  |
| Product Line | Sensors & Controls | | | |
| Compliance Date | 10/14/2024 | | | |
| RoHS Compliant | Yes | MSL | N/A | |

| No. | Construction Element (subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material/ | CASRN | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|---------|--------------------------------|----------------------|---------------------|--------------------------|---------------|------------------|-----------------------------------|-------------------------------|
| | | | | Substances | if applicable | | | |
| 1 | Lockwasher | Stainless Steel 304 | 0.049 | Carbon | 7440-44-0 | 0.080 | 0.003 | 3.17 |
| | | | | Manganese | 7439-96-5 | 2.000 | 0.063 | |
| | | | | Phosphorus | 7723-14-0 | 0.045 | 0.001 | |
| | | | | Sulfur | 7704-34-9 | 0.030 | 0.001 | |
| | | | | Silicon | 7440-21-3 | 0.750 | 0.024 | |
| | | | | Chromium | 7440-47-3 | 18.000 | 0.570 | |
| | | | | Nickel | 7440-02-0 | 8.000 | 0.253 | |
| | | | | Iron | 7439-89-6 | 71.095 | 2.253 | |
| | | Under plating | 0.001 | Copper | 7440-50-8 | 100.000 | 0.0647 | 0.06 |
| Plating | 0.001 | Nickel | 7440-02-0 | 100.000 | 0.0647 | 0.06 | | |
| 2 | Hexnut | Brass C360 | 0.0819 | Copper | 7440-50-8 | 61.50 | 3.257 | 5.30 |
| | | | | Zinc | 7440-66-6 | 35.40 | 1.875 | |
| | | | | Lead | 7439-92-1 | 3.10 | 0.164 | |
| | | Plating | 0.0001 | Nickel | 7440-02-0 | 100.00 | 0.006 | 0.006 |
| 3 | Resistive Ink 1 | Minico M-2013 | 0.000002 | Carbon black | 1333-86-4 | 67.00 | 0.0001 | 0.0001 |
| | | | | Talc | 14807-96-6 | 29.00 | 0.00004 | |
| | | | | Additives not to declare | Trade Secret | 4.00 | 0.000005 | |
| 4 | Resistive Ink 2 | Minico M-2014 | 0.000002 | Carbon black | 1333-86-4 | 67.00 | 0.0001 | 0.0001 |

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|----|-----------------|--------------------|----------|--------------------------------------|--------------|--------|----------|---------|
| | | | | Talc | 14807-96-6 | 29.00 | 0.00004 | |
| | | | | additives not to declare | trade secret | 4.00 | 0.000005 | |
| 5 | Termination Ink | 9406 Ink | 0.000005 | Silver | 7440-22-4 | 88 | 0.00028 | 0.00032 |
| | | | | palladium | 7440-05-3 | 6 | 0.00002 | |
| | | | | Lead glass | 7439-92-1 | 1.9 | 0.000006 | |
| | | | | bismuth trioxide | 1304-76-3 | 2.9 | 0.00001 | |
| | | | | copper oxide | 1317-39-1 | 1.2 | 0.000004 | |
| 6 | Wire | Copper Alloy C102 | 0.421 | Copper | 7440-50-8 | 99.999 | 27.223 | 27.22 |
| | | Plating | 0.017 | Oxygen | 7782-44-7 | 0.001 | 0.000272 | |
| 7 | 6 Up Substrate | Aluminum Oxide | 0.154 | Tin | 7440-31-5 | 100.00 | 1.10 | 1.10 |
| | | | | Aluminum Oxide | 1344-28-1 | 100.00 | 9.96 | 9.96 |
| 8 | Housing | Shinkong compound | 0.485 | PBT | 30965-26-5 | 49 | 31.36 | 31.36 |
| | | | | Glass Fibers | 65997-17-3 | 35 | 15.37 | |
| | | | | Brominated epoxy resin | 68928-70-1 | 10 | 10.98 | |
| | | | | Antimony trioxide | 1309-64-4 | 6 | 3.14 | |
| 9 | Rotor/Shaft | Shinkong compound | 0.228 | PBT | 30965-26-5 | 49 | 7.22 | 14.74 |
| | | | | Glass Fibers | 65997-17-3 | 35 | 5.16 | |
| | | | | Brominated epoxy resin | 68928-70-1 | 10 | 1.474 | |
| | | | | Antimony trioxide | 1309-64-4 | 6 | 0.885 | |
| 10 | Epoxy | UV-2665 Epoxy | 0.08 | Caprolacton, trimethylpropan polymer | 37625-56-2 | 60.00 | 3.1039 | 5.173 |
| | | | | Aluminum trioxide | 1344-28-1 | 30.00 | 1.5519 | |
| | | | | Hydrophobic pyrogenic silica | 112945-52-5 | 10.00 | 0.5173 | |
| 11 | O-Ring | Silicon Rubber | 0.0113 | Silicon Rubber | 63394-02-5 | 100.00 | 0.73 | 0.731 |
| 12 | Contact Spring | Nickel/Silver C762 | 0.005 | Copper | 7440-50-8 | 55.00 | 0.17783 | 0.32332 |
| | | | | Nickel | 7440-02-0 | 18.00 | 0.05820 | |
| | | | | Zinc | 7440-66-6 | 27.00 | 0.08730 | |
| | | Nickel Strip Inlay | 0.003 | Silver | 7440-22-4 | 56.00 | 0.10864 | 0.19399 |
| | | | | Copper | 7440-50-8 | 22.00 | 0.04268 | |
| | | | | Zinc | 7440-66-6 | 17.00 | 0.03298 | |

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|----|------|------------------------------------|-------------|----------------------|------------|--------|-----------|---------|
| | | | | Tin | 7440-31-5 | 5.00 | 0.00970 | |
| | | Strip | 0.003 | Nickel | 7440-02-0 | 18.00 | 0.03492 | 0.19399 |
| | | | | Copper | 7440-50-8 | 65.00 | 0.12610 | |
| | | | | Zinc | 7440-66-6 | 17.00 | 0.03298 | |
| | | | | Back up Strip Solder | 0.0001 | Silver | 7440-22-4 | |
| | | | | Bismuth | 7440-69-9 | 0.30 | 0.00002 | |
| | | | | Tin | 7440-31-5 | 94.50 | 0.00611 | |
| | | Laminated Back Up Strip Brass C260 | 0.00454 | Copper | 7440-50-8 | 70.00 | 0.21 | 0.294 |
| | | | | Zinc | 7440-66-6 | 30.00 | 0.09 | |
| 13 | Lube | Lube | 0.0015 | Siloxanes/Silicones | 63148-56-1 | 70.00 | 0.07 | 0.097 |
| | | | | Tetrafluoroethane | 9002-84-0 | 30.00 | 0.03 | |
| | | Total Weight | 1.55 | | | | | |

This Document was updated on: 10/15/2024

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.